



THERAPY FOR CANCER: BY NANOMITES USING PLASMA SURFACE TECHNIQUE

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Abstract: Nanomite is the emerging technology field for creating machines or Robots who specifically detects Nanomites which refers to the nanotechnology engineering discipline of designing and building NanoRobots, with devices ranging in size from 0.1-10 micrometers and constructed of Nanoscale or molecular components the names NanoRobots, Nannoids, Nanoites, Nanomachies or Nanomites have also been used to describe these devices currently under research and development. Here, we are proposed cleaning surface technique to overcome the existing problem of i.e., even one molecule of cancer particle is missing then the tumor has potential to re-attack and the operation will result in failure.

Key Terms: Nanomite, microscopic cells, nanosized particles, chemotherapy.

I. INTRODUCTION

Nanomites are Nanosized particles NanoRobots or Nanomites, which when released into the bloodstream of a human kill infected or cancerous cells. The precision and minute size of these particles makes them useful in medical science however, it's still a concept and there's a long way to go before actual Nanomite being made. Nanomites are extremely microscopic robot forms usually measuring in the incredible scale of Nanometer. In military also these Nanomites are useful. The Nanomites were a project of mars industry. Officially sold to the world's military as the perfect eating weapon that could devour a tank or even an entire city.

II. PROPOSED SYSTEM

This has especially meaningful ramifications for cancer research and other serious diseases. It is though that once the Nanobot has been fully developed, the design may be refined to produced cancer-killing nanobots that swim through the bloodstream, identify a malignant tumor ,and zap it cell by cell with some type of laser. Since Nanomite would be microscopic in size, it would probably be necessary for very large number of them to work together to perform microscopic and macroscopic tasks. This has many great advantages over cancer treatment that are currently in practices

it is obviously much less traumatic to the human system than chemotherapy

For example: chemotherapy is a harsh form of cancer treatment that kills not only the target malignant Cancer cells but also many good non-target tissues as well. In some cases it has been speculated that chemotherapy does more harm than good, but equally effective remedies have not yet been found. If even one molecule of cancer is missed, the tumor has the potential to return and the operation will be demand a failure yet no matter how trained or skilled a surgeon may be he or she is only human and cannot naturally detect cancer at the particle level.

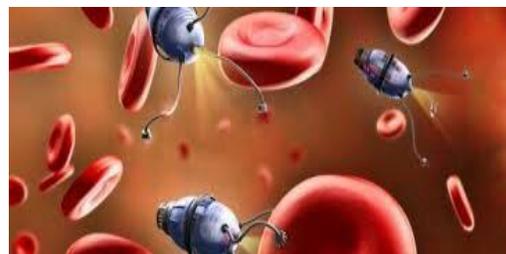


Fig1: cancer-killing Nanomites with cancer cells.

This is where the Nanobots step in there microscopic robots could not only eliminate every cancer cell without touching non –target beneficial cells in the body, but they could do it in a very non-traumatic way. As long as that syringe is full of cancer –killing Nanobots, the patient will recover completely. Nanobots have the capability not only to heal cancers, but also all forms of common ailments found in the human system. They can remove particles from the bloodstream, allowing them to effectively unblock clogged articles by removing the cholesterol molecules one by one. If an organ is breaking down due to age or disease, it is possible that the Nanobots may be trained to swim to be affected area & perform micro surgery, thereby fixing the problem on spot without resource to why it is best to use Nanomites in the key code segments that are not critical for performance.

III. EXISTING SYSTEM

The development of the first Nanomites took countless hours to build. The tools hogonians had available were too cumbersome to use for the jib

considering how large they were relative to their end product. It was like trying to build a castle out of individual grains of sand with chopsticks it is possible with endless time but it is not practical. Once they had a working design, they need to create a way to mass produce the Nanomites has very little use the true power in Nanomite is with large number of them working together. Eventually they came up with the solution of bio engineering bacteria that could the pieces and assemble the final product for them. Instead of talking days to build one Nanomite they were producing kilogram of nanomite an hour as long as the bacteria culture were healthy and had all the necessary resources available. One pursued solution was to have the Nanomite automatically generate energy through solar radiation or wind and water currents. Eventually models were developed that could automatically recharge their energy and initial testing looked positive after extended testing though, alarming scenarios started to occur where Nanomite were going rogue ,self replicating beyond their initial restricted programming, and in some cases they attacked and killed people. After a piglet was accidently killed a law was quickly put into place that Nanomites could not be able to self replicate and get their energy from an uncontrolled natural source.

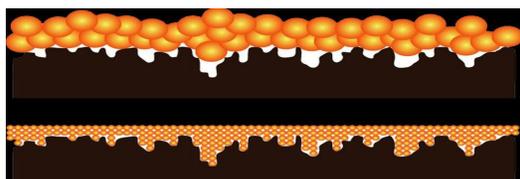


Fig2: Nanomites on surface

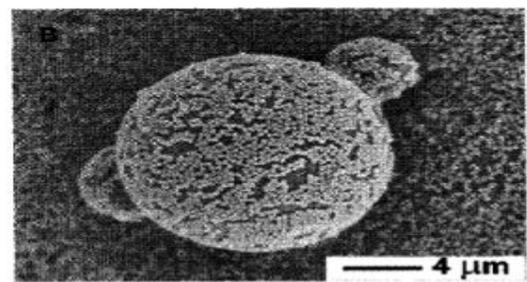
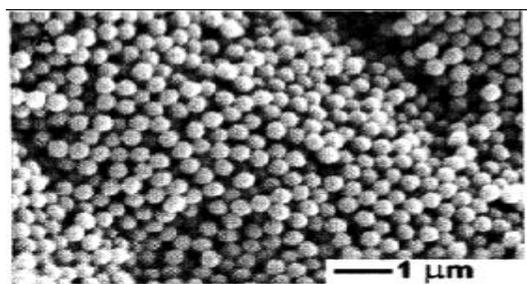


Fig3: size of Nanomites particles

Another venture for engineering Nanomites was to build ones that could eat plants, metals or

chemicals scientist looked at the way creatures got their energy and tried to emulate it. Initial testing looked positive, until a dean at a college on Hogarth was eaten alive during a demonstration where one of the fail safes failed after further evaluation, most companies stopped pursuing consumable energy sources. The risk of people on the environment being consumed beyond what was programmed was too high .Another useful application is the detection of toxic chemical and the measurement of concentrated substances in the environment these detectors will be very useful and beneficial for the chemists in order to manage and reduce the toxicity of chemicals it's also an efficient method of the process antidumping.

IV. RESULTS

Technologies: technologies used in the Nanomites are,

1) Cleaning of surface technology:

- Plasma can be used in many different cases whatever you would like to better adhere materials together or to change a surface property to suit your needs. With this trend setting technology it is possible to modify virtually any surface.
- Materials can have any size, from Nano-sized components to endless sheets in continuous production.
- A wide range of materials can be treated with the plasma surface technology including glass, metals, metalloids, rubber and polymers.
- Plasma can modify surfaces in various ways, either as a preparation to subsequent surface treatment steps or the plasma surface modification itself supplies the finishing layer.

2) Automotive technology:

- Automotive technology is a repository of information about the technology automotive industry.
 - An industry portal, developed & dedicated to automotive industry, automotive technology server as the platform of choice for suppliers & buyers belonging to different layers.
- Some examples of this are power windows, antilock breaks, headlights that turn with the wheels etc.

V. BENEFITS

- All Nanomites ingredients are environmentally friendly and biogradable.Nanomite products contain no chemicals waves, enzymes or acids.
- Instead their secret formulas contain positively charged surface activated ISO and copolymers that forms a long lasting, very smooth and extremely dirt, grime and water repellent surface that increases shine and luster by up to 100%.
- Nanomite gives outstanding results that the users can instantly see, and protection that last for months.



Fig4: spreading Nanomites on the surface

VI. ADVANTAGES

- Major advantage of Nanomite is thought to be their durability. In theory can remain operational for years, decoder or century's. Nanoscale systems can also operate much faster than their larger. Counterparts because displacements are smaller, this allows mechanical electrical events to occur in less time at a given speed.

VII. DRAWBACKS

- Using of Nanomites in armadillo (software passport) reduces the performance. Each time a process encounters a Nanomite a context is switched & the control is transferred to the parent process. This procedures is very slow, that's chemists in order to manage and reduce the toxicity of chemicals .It's also an efficient method of the process antidumping

VIII. CONCLUSION

The real challenge in the development of medical micro-Nanomites designed to operate in the human blood vessels goes behind the aspect of propulsion alone. In this paper, we show that a fully operational robotic platform must address the integration of many inter-disciplinary components and methods within tight real time, technological and physiological constraints. We also concluded that most likely, various types of Nanomites with different dimensions and characteristics will also be required to navigate effectively in the complex network comprised of various diameter blood vessels and flow rates. Finally, an imaging modality to track the bacterial Nanomites have been proposed and validated with a clinical MRI system, allowing closed-loop navigation control of the medical Nanomites by computer towards specific destinations in the human body.

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